<u>CLAIMS</u>

1.   A method of generating a project datasheet in an integrated design environment comprising:

5   accessing project data from an XML database structure, said project data describing an electronic system design for implementation on a programmable electronic device;

accessing an XSL stylesheet;

processing said project data according to said XSL

10 stylesheet to automatically produce a project datasheet file.

2.   The method of Claim 1, further including formatting said data sheet in HTML.

15 3.   The method of Claim 2, further including rendering said project datasheet as a visual output datasheet using a browser.

4.   The method of Claim 1, further including displaying

20 said project datasheet.

5.   The method of Claim 4, wherein displaying said project datasheet is done as a single action display.

6. The method of Claim 4, wherein displaying said project datasheet includes printing said project datasheet.

7. The method of Claim 4, wherein said project datasheet includes integrated circuit pinout assignment data.

8. The method of Claim 4, wherein said project datasheet includes a user module schematic.

9. The method of Claim 4, wherein said project datasheet includes global parameters.

10. The method of Claim 4, wherein said project datasheet includes input and output configuration data.

11. A system for automatically generating a project datasheet comprising a computer system, said computer system further comprising:

a database formatted in XML;

an XSL stylesheet directed to a project datasheet; and,

an XSL processor for producing a project datasheet from input from said database and said XSL stylesheet, wherein

said datasheet describes an electronic design for

implementation on a programmable integrated circuit device.

12. The system of Claim 11, further including an XSL

5 processor that produces output in HTML format.

13. The system of Claim 11, further including a

browser.

10 14. The system of Claim 11, further including a visual

display for displaying said project datasheet.

15. The system of Claim 11, further including a printer

for printing said project datasheet.

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16. The system of Claim 11, further including an

integrated design environment for integrated circuits.

17. A computer readable medium containing executable

20 instructions which, when executed in a processing system,

causes the system to perform the steps generating a project

datasheet comprising:

accessing project data from an XML database structure,

said project data describing an electronic system design for

implementation on a programmable electronic device;

accessing an XSL stylesheet;

5   processing said project data according to said XSL

stylesheet to automatically produce a project datasheet file.

18.   The computer readable medium of Claim 17, further

including instructions for formatting said project datasheet

10   in HTML.

19.   The computer readable medium of Claim 18, further

including instructions for rendering said project datasheet

using a browser.

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20.   The computer readable medium of Claim 17, further

including instructions for displaying said project datasheet.

21.   The computer readable medium of Claim 17, further

20   including instructions for displaying as a single action

display.

22. The computer readable medium of Claim 17, further including instructions for printing said project datasheet.

23. The computer readable medium of Claim 17, wherein

5 said project data includes integrated circuit pinout assignment data.

24. A computer controlled method for generating design information comprising:

10 a) selecting a plurality of global parameters;

b) selecting at least one user module representing a circuit design;

c) placing said user module within a plurality of programmable hardware resources;

15 d) parameterizing said user module;

e) establishing connections to said user module; and

f) automatically generating a datasheet file describing an electronic design project comprising said user module as parameterized, its connections and said global parameters.

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25. A method as described in Claim 21 further comprising rendering in a visual form said datasheet file.

26   A method as described in Claim 21 wherein said automatically generating a datasheet file comprises

f1) accessing project data from an XML database structure;

5   f2) accessing an XSL stylesheet; and

f3) processing said project data according to said XSL stylesheet to automatically produce said datasheet file.

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